

UV CURABLE COATING COMPOSITIONS

ABSTRACT OF THE DISCLOSURE

[0064] UV curable coating compositions and methods for applying such compositions to surfaces to provide abrasion resistance and/or structural rigidity thereto. The UV curable compositions of the present invention include at least one curable (meth)acrylate, at least one photoinitiator which absorbs only in the UV range of the electromagnetic spectrum, and an inorganic filler, at least a portion of which having a particle size in the range of 1 to 1,000 nm. The compositions may further comprise a reactive diluent.